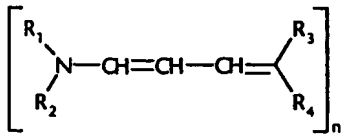
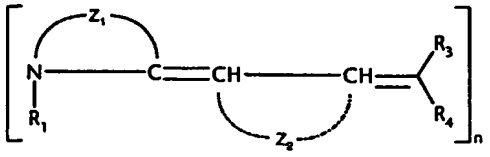
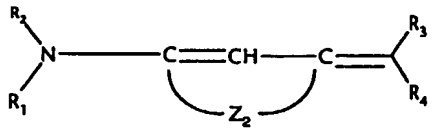
What is claimed is:

1. Use of a compound of formula

(1)  , (2)  or

(3) 

wherein

R_1 and R_2 are each independently of the other hydrogen; C_1-C_{22}alkyl; cyclo-C_3-C_8alkyl; or unsubstituted or C_1-C_6alkyl- or C_1-C_6alkoxy-substituted C_6-C_{20}aryl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; -$COOR_5$; -$CONHR_5$; -COR_5; or -SO_2R_5; -$CONR_1R_5$;

R_4 is a cyano group; -$COOR_6$; -$CONHR_6$; -COR_6; or -SO_2R_6; -$CONR_2R_6$;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; cyclo-C3-C_8alkyl; or unsubstituted or C_1-C6alkyl-substituted C_6-C_{20}aryl;

or R_3 and R_4 together or R_5 and R_6 together form a 5- to 7-membered, monocyclic, carbocyclic or heterocyclic ring;

Z_1 and Z_2 are each independently of the other a -$(CH_2)_l$- group which is uninterrupted or interrupted by -O-, -S-, or by -NR_7-, and/or is unsubstituted or substituted by C_1-C_6alkyl;

R_7 is C_1-C_5alkyl;

l is from 1 to 4;

m is from 1 to 7;

n is from 1 to 4;

when n = 2, R_1, R_5 or R_6 is a bivalent alkyl group; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a -$(CH_2)_m$- ring;

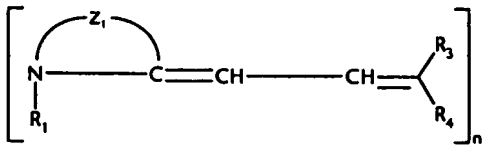
when n = 3, R_1, R_5 or R_6 is a trivalent alkyl group;

when n = 4, R_1, R_5 or R_6 is a tetravalent alkyl group; and

R_1 and R_2 in formula (1) are not simultaneously hydrogen;

in protecting human and animal hair and skin from UV radiation.

2. Use according to claim 1, relating to a compound of formula (1) or

(2a)  , wherein

R_1 and R_2 are each independently of the other hydrogen; C_1-C_{22}alkyl; or unsubstituted or C_1-C_5alkyl- or C_1-C_5alkoxy-substituted C_6-C_{20}aryl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; -$COOR_5$; -$CONHR_5$; -COR_5; or -SO_2R_5;

R_4 is a cyano group; -$COOR_6$; -$CONHR_6$; -COR_6; or -SO_2R_6;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or unsubstituted or C_1-C_5alkyl-substituted C_6-C_{20}aryl;

or R_5 and R_6 together form a 5- to 7-membered, monocyclic, carbocyclic or heterocyclic ring;

Z_1 and Z_2 are each independently of the other a -$(CH_2)_l$- group which is uninterrupted or interrupted by -O-, -S-, or by -NR_7-, and/or is unsusbstituted or substituted by C_1-C_5alkyl;

R_7 is C_1-C_5alkyl;

l is from 1 to 4;

m is from 1 to 7;

n is from 1 to 4;

when n = 2, R_1, R_5 or R_6 is a bivalent alkyl group; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a -$(CH_2)_m$- ring;

when n = 3, R_1, R_5 or R_6 is a trivalent alkyl group;

when n = 4, R_1, R_5 or R_6 is a tetravalent alkyl group; and

R_1 and R_2 in formula (1) are not simultaneously hydrogen.

3. Use according to either claim 1 or claim 2, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; -$COOR_5$; -$CONHR_5$; -COR_5; or -SO_2R_5;

R_4 is a cyano group; -$COOR_6$; -$CONHR_6$; -COR_6; or -SO_2R_6;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or C_6-C_{20}aryl; and

Z is as defined in claim 1.

4. Use according to any one of claims 1 to 3, wherein

R_3 is a cyano group; and

R_4 is -$CONHR_6$; and

R_6 is C_1-C_{22}alkyl; or C_6-C_{20}aryl.

5. Use according to any one of claims 1 to 4, wherein

R_6 is C_4-C_{20}alkyl.

6. Use according to any one of claims 1 to 3, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is -$COOR_5$;

R_4 is a cyano group; -$COOR_6$; or -SO_2R_6;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or C_6-C_{20}aryl; and

m is from 1 to 7.

7. Use according to claim 6, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is -$COOR_5$;

R_4 is -$COOR_6$;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or C_6-C_{20}aryl; and

m is from 1 to 7.

8. Use according to claim 6, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is -$COOR_5$;

R_4 is a cyano group;

R_5 is C_1-C_{22}alkyl; or C_6-C_{20}aryl; and

m is from 1 to 7.

9. Use according to claim 6, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

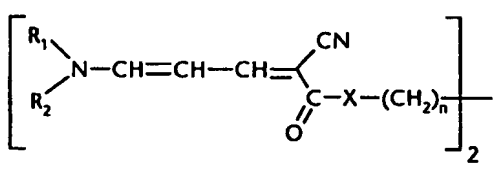
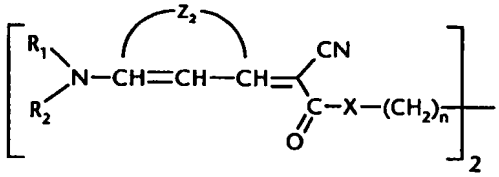
R_3 is -$COOR_5$;

R_4 is -SO_2R_6;

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or C_6-C_{20}aryl; and

m is from 1 to 7.

10. Use according to either claim 1 or claim 2, which comprises using a compound of formula

(3a)  or (3b) 

wherein

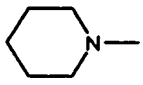
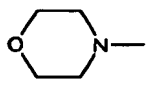
R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a -$(CH_2)_m$- ring;

X is -O-; or -NH-;

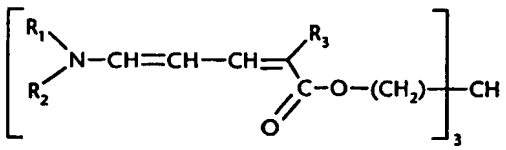
Z_2 a -$(CH_2)_l$- group which is uninterrupted or interrupted by -O-, -S-, or by -NR_7-, and/or is unsubstituted or substituted by C_1-C_6alkyl; and

n is from 1 to 3.

11. Use according to claim 10, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form the radical  ; or  .

12. Use according to claim 1, which comprises using a compound of formula

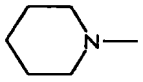
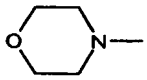
(4)  , wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

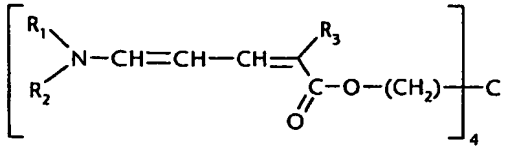
R_3 is a cyano group; -$COOR_5$; -$CONHR_5$; -COR_5; or -SO_2R_5; and

R_5 and R_6 are each independently of the other C_1-C_{22}alkyl; or C_6-C_{20}aryl.

13. Use according to claim 12, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form the radical  ; or  .

14. Use according to either claim 1 or claim 2, which comprises using a compound of formula

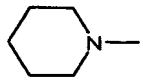
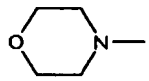
(5)  , wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a -$(CH_2)_m$- ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; -$COOR_5$; -$CONHR_5$; -COR_5; or -SO_2R_5; and

R_5 is C_1-C_{22}alkyl; or C_6-C_{20}aryl.

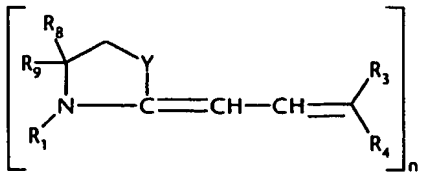
15. Use according to claim 14, wherein

R_1 and R_2 are each independently of the other C_1-C_{22}alkyl; or R_1 and R_2 together with the nitrogen atom linking them form the radical  ; or  .

16. Use according to any one of claims 1 to 15, wherein

Z_1 or Z_2 is an atom grouping which results in the formation of an oxazolidine ring, a pyrrolidine ring or a thiazolidine ring.

17. Use according to one of claim 16, wherein it corresponds to formula

(2b)  wherein

R_8 and R_9 are each independently of the other hydrogen; or C_1-C_5alkyl; and

Y is -O-; -S-; oder -CH_2-;

and

R_1, R_3, R_4 and n are as defined in claim 1.

18. Use according to claim 17, wherein

R_1 is C_1-C_{12}alkyl;

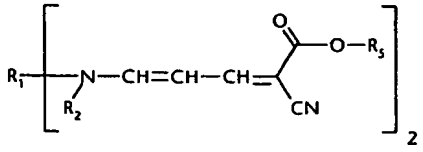
R_3 is a cyano group; -$COOR_5$; -COR_5; or -SO_2R_5;

R_4 is -COR_6; or -$COOR_6$;

R_5 and R_6 are each independently of the other unsubstituted or C_1-C_5alkyl- or C_1-C_5alkoxy-substituted C_6-C_{20}aryl.

19. A cosmetic preparation comprising at least one or more compounds of formula (1) or (2) according to claim 1 with cosmetically acceptable carriers or adjuvants.

20. A compound of formula

(6)  wherein

R_1 is C_1-C_4alkylene;

R_2 is C_1-C_5alkyl; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a -$(CH_2)_m$- ring;

R_5 is C_1-C_{22}alkyl;

m is from 1 to 7.